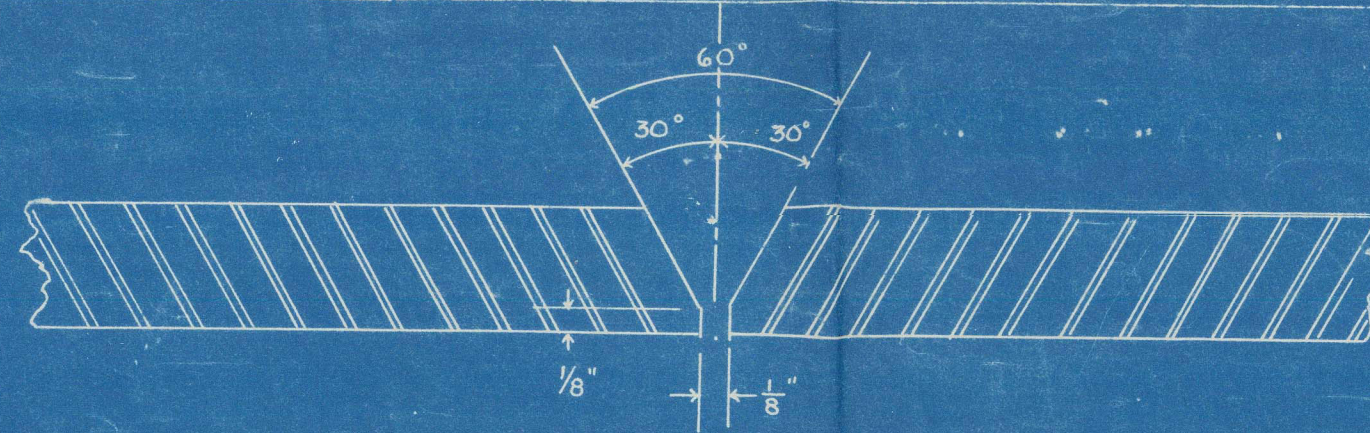


PRINCIPAL DIMENSIONS		
LENGTH B.P.	416'-0"	
BREADTH EXTR.	57'-1"	
BREADTH MLD.	56'-10 1/2"	
DEPTH MLD. UPPER DK.	37'-4"	
DEPTH MLD. SECOND DK.	28'-7"	
DEPTHS TO LENGTH-UPPER DK.	11.14	

NOTE: DO NOT USE LARGER ROD THAN 3/8" DIAMETER. NO RIVETING TO BE DONE UNTIL WELDING IS COMPLETED. BUTT WELDS IN ALL CASES TO HAVE A FINISHING BEAD. FIRST TWO BEADS IN BUTT WELDS TO BE WELL PEENED.

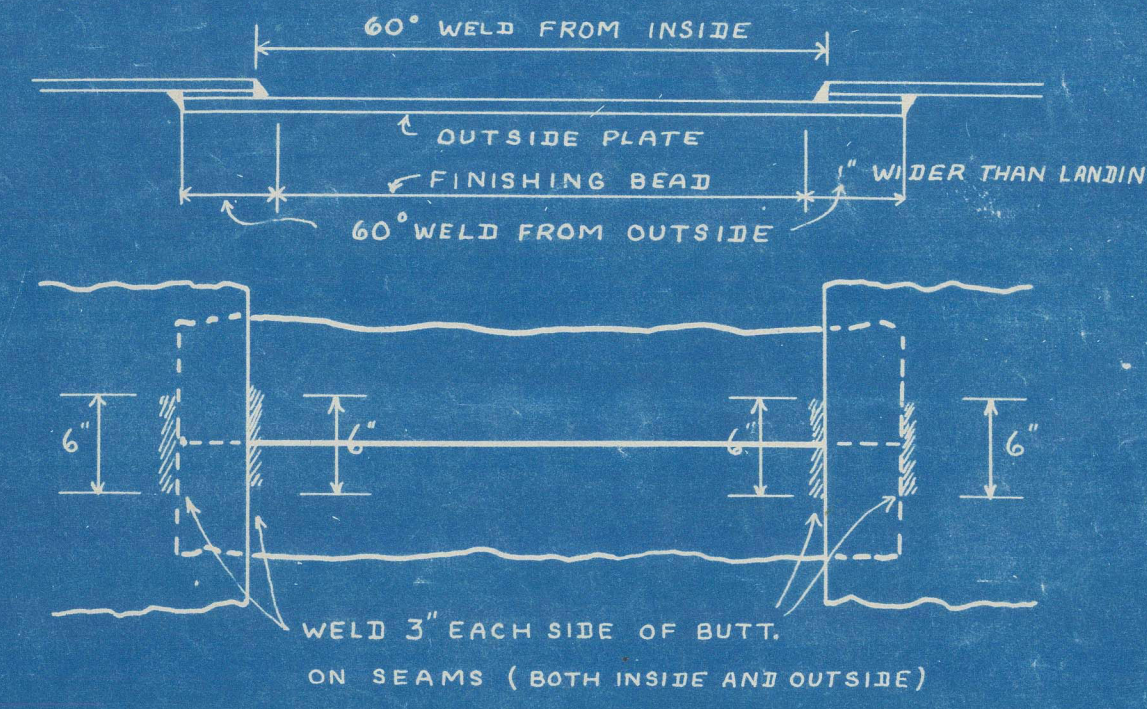


PLATES TO BE VEE'D OUT TO A 60° INCLUDED ANGLE FOR ALL BUTT WELDS AND BEVELLED TO WITHIN 1/8" FROM BOTTOM PLATE. GAP OF 1/8" TO BE KEPT BETWEEN EDGES TO BE WELDED

## WELDING NOTES

FLAT KEEL WELD BUTTS FROM INSIDE (WELD IN WAY OF C.V.K. BARS AND SEAMS ONLY). DO NOT COMPLETE WELD UNTIL C.V.K. AND GARBBOARD STRAKES ARE BOLTED UP.

C.V. KEEL WILL COME RIVETED COMPLETE EXCEPT IN WAY OF BUTTS OF PLATING. SHORT BARS APPROX. 15" x 30" LONG TO BE INTRODUCED HERE AND FITTED AFTER C.V.K. IS IN PLACE AND BUTTS WELDED



ALL BUTTS OF BOTTOM SHELL TO BE VEE'D OUT AND WELDED FROM THE INSIDE. THIS IS DONE TO OBTAIN DOWN HAND WELDING TO THE FULLEST EXTENT

BUTTS OF INSIDE STRAKES WILL BE VEE'D OUT FULL WIDTH. THE BUTTS OF OUTSIDE STRAKES TO BE VEE'D INSIDE AND WELDED BETWEEN THE LANDING EDGES OF INSIDE STRAKES ONLY. THIS WELD WILL BE COMPLETED BY VEE'ING OUTSIDE ON THE SHIP AND WELDING BOTH SEAMS. THESE TO BE VEE'D OUT 1" WIDER THAN LANDINGS.

INSIDE STRAKES TO BE VEE'D OUT AND WELDED FROM THE INSIDE. OUTSIDE STRAKES TO BE VEE'D OUT AND WELDED FROM THE OUTSIDE.

THIS IS A CLINKER STRAKE. THE BUTTS TO BE VEE'D AND WELDED FROM OUTSIDE, AND LOWER EDGE WHICH IS INSIDE IS TO BE FINISHED IN THE SAME MANNER AS OUTSIDE PLATES, THAT IS, VEE'D 1" WIDER THAN LANDING AND WELDED FROM INSIDE. NOTE: ALL SHELL LANDINGS TOP AND BOTTOM FOR 3" EACH SIDE OF SHELL BUTTS TO BE WELDED.

ALL TANK TOP PLATING SEAMS AND FLOOR ANGLES TO BE RIVETED. ALL BUTTS TO BE WELDED FROM TOP SIDE. TANK TOP SEAMS TO BE WELDED FOR 3" EACH SIDE OF BUTT. SHAFT TUNNEL PLATING TO BE FILLET WELDED TO TANK TOP SIMILAR TO BHDS. NO FOUNDATION BARS TO BE FITTED. PLATING TO HAVE SAME PROCEDURE AS TANK TOP

TOP AND BOTTOM ANGLES TO BE LINED. ENDS OF BOTH BARS NEXT CENTRE KEEL TO BE CUT 1/2" SHORT OF TOE OF CENTRE KEEL TOP AND BOTTOM FOR AND AFT ANGLES. OUTER ENDS TO BE CUT 1/2" SHORT OF MARGIN PLATE. THESE BARS TO BE ELECTRIC WELDED TO FLOOR PLATE WITH HEELS PROTECTING 1/2" OVER EDGE OF FLOOR PLATE FOR THAT PURPOSE. NO COLLARS TO BE FITTED ON EITHER END OF FLOOR PLATE. THE ENDS OF FLOOR PLATES ARE TO BE FITTED NEATLY TO BUTT AGAINST CENTRE KEEL AND TANK MARGIN FOR FILLET WELDING. PLUG WELDS ABOUT 18" APART TO BE MADE THROUGH FLOOR PLATE FLANGE OF TOP AND BOTTOM BARS TOP AND BOTTOM FLOOR ANGLES TO BE RIVETED TO TANK TOP AND SHELL RESPECTIVELY.

FLANGED ON TOP AND LAP RIVETED TO TANK TOP PLATING. BOTTOM EDGE TO BE BUTTED ON SHELL PLATE AND FILLET WELDED INSIDE AND OUTSIDE. THE ORDINARY FLOORS AS WELL AS W.T. FLOORS WILL BE WELDED TO THIS PLATE INSIDE AND BILGE BRACKETS WELDED ON OUTSIDE. NO ANGLE CONNECTIONS WILL BE FITTED ON EITHER SIDE OF TANK MARGIN PLATE. ALL BUTTS OF TANK MARGIN PLATES WELDED FROM OUTSIDE, WITH FINISHING BEAD INSIDE TO BE ALL RIVETED EXCEPT IN WAY OF TANK TOP AND TANK MARGIN BHD. PLATING AND STIFFENER BRACKETS BUTTED HARD ON TANK TOP AND TANK MARGIN AND FILLET WELDED. BULKHEAD SHELL BARS TO BE CARRIED DOWN BILGE AND STOPPED 1/2" SHORT OF MARGIN PLATE.

RIVETED TO FRAME AND BILGE ANGLE AND WELDED TO TANK MARGIN. GUSSET PLATE WELDED TO FLANGE OF BILGE BRACKET AND WELDED TO TANK TOP.

TO BE WELDED TO TANK TOP

STERN FRAME AS PER DETAIL PLAN  
STEM BAR 10"x2 1/2" TO L.W.L.  
PLATE STEM ABOVE L.W.L.  
RUDDER AS PER DETAIL PLAN

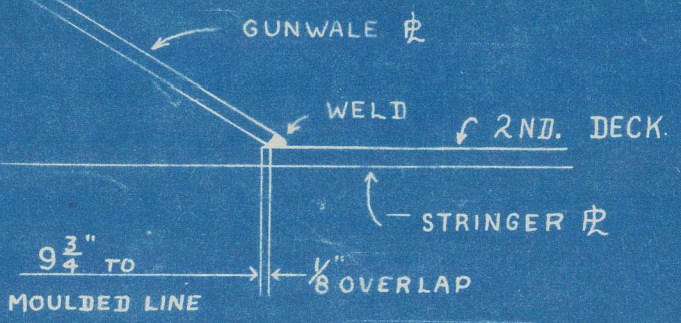
## EQUIPMENT

- 2 - BOWER ANCHORS - 68 CWTs.
- 1 - STUD CABLE CHAIN - 225 FATHOMS 2 1/2"
- 1 - STREAM ANCHOR (STOCKLESS) - 23 3/4 CWTs.
- 1 - STREAM WIRE 90 FATHOMS 5" 6x12 F.S.W.
- 1 - TOWLINE 120 " 4 1/4" - 6x24 SPECIAL F.S.W.
- 2 - HAWSERS 90 " 2 3/4" - 6x12 F.S.W.
- 2 - WARPS 90 " 2 1/2" - 6x12

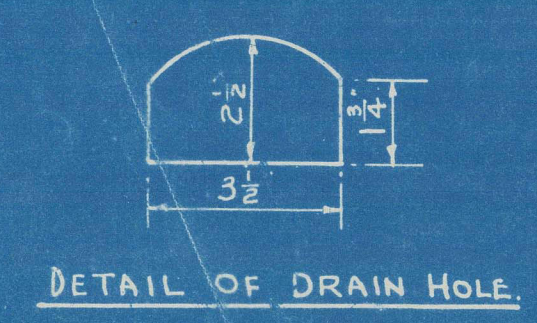
REVISIONS	
JULY 21/41	RE DRAWING
AUG 21/41	A DETAIL SHOWING W.T. FLOORS AT C.V. KEEL HAS BEEN ADDED (SEE BELOW AT LEFT)
	UPPER & SECOND DE PLATING NOW JOGGLED INSTEAD OF TAPERED LINERS
JAN 15/42	CE DECK HOLES - SEE NOTE
FEB 3/42	NOTE ADDED - RE-CEMENT CHOCKS

BURRARD DRY DOCK CO. LTD.  
N. VANCOUVER, B.C.  
ENGINEERING DEPARTMENT  
**MIDSHIP SECTION**  
VESSEL NO. 152  
DESIGNED BY S.B. FORT ANNE  
SCALE 1/2" = 1 FT.  
DATE NOV. 25/41 DRAWING NO. 3057A

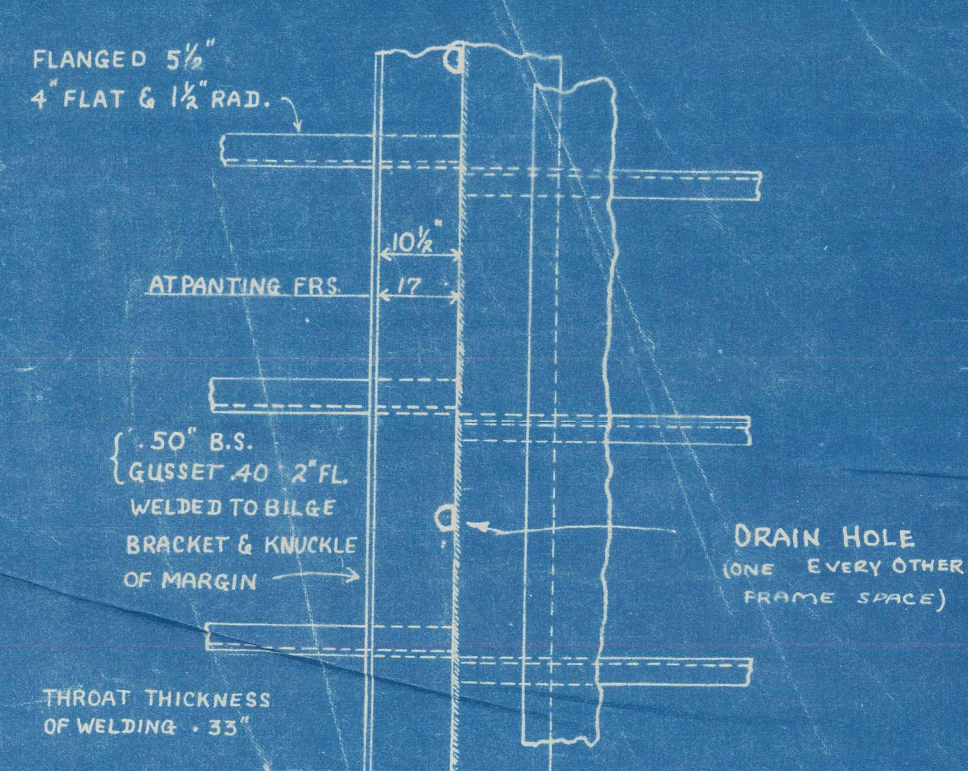
SHEERSTRAKE .70" WITH TWEEN DK. FRAMES ON EVERY FRAME TO .45" AT ENDS STRAKE BELOW SHEERSTRAKE .61" TO .45" AT ENDS.



DETAIL AT "AA"

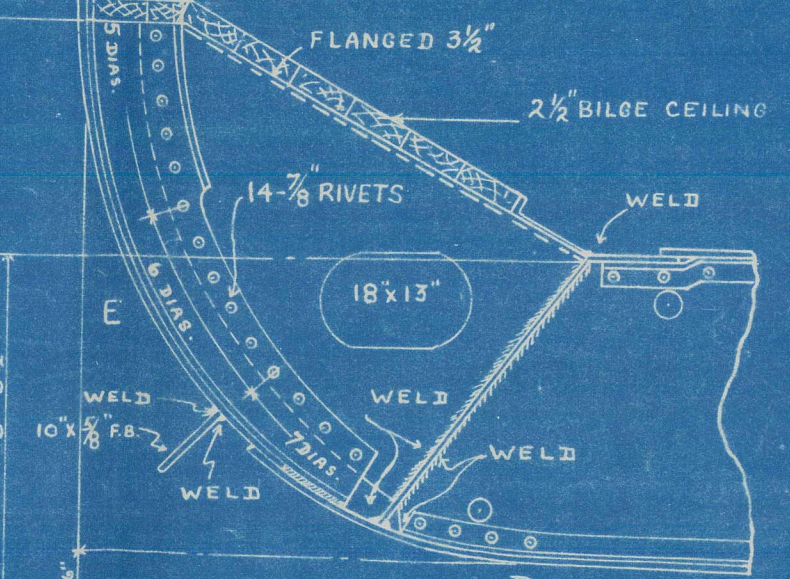


DETAIL OF DRAIN HOLE

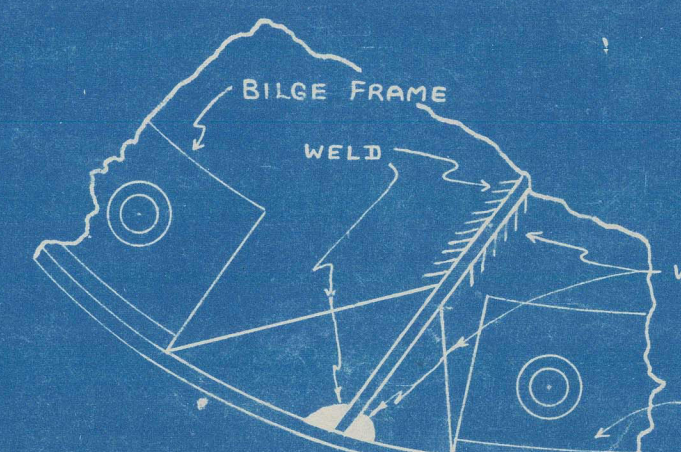


DETAIL OF TANK GUSSETS

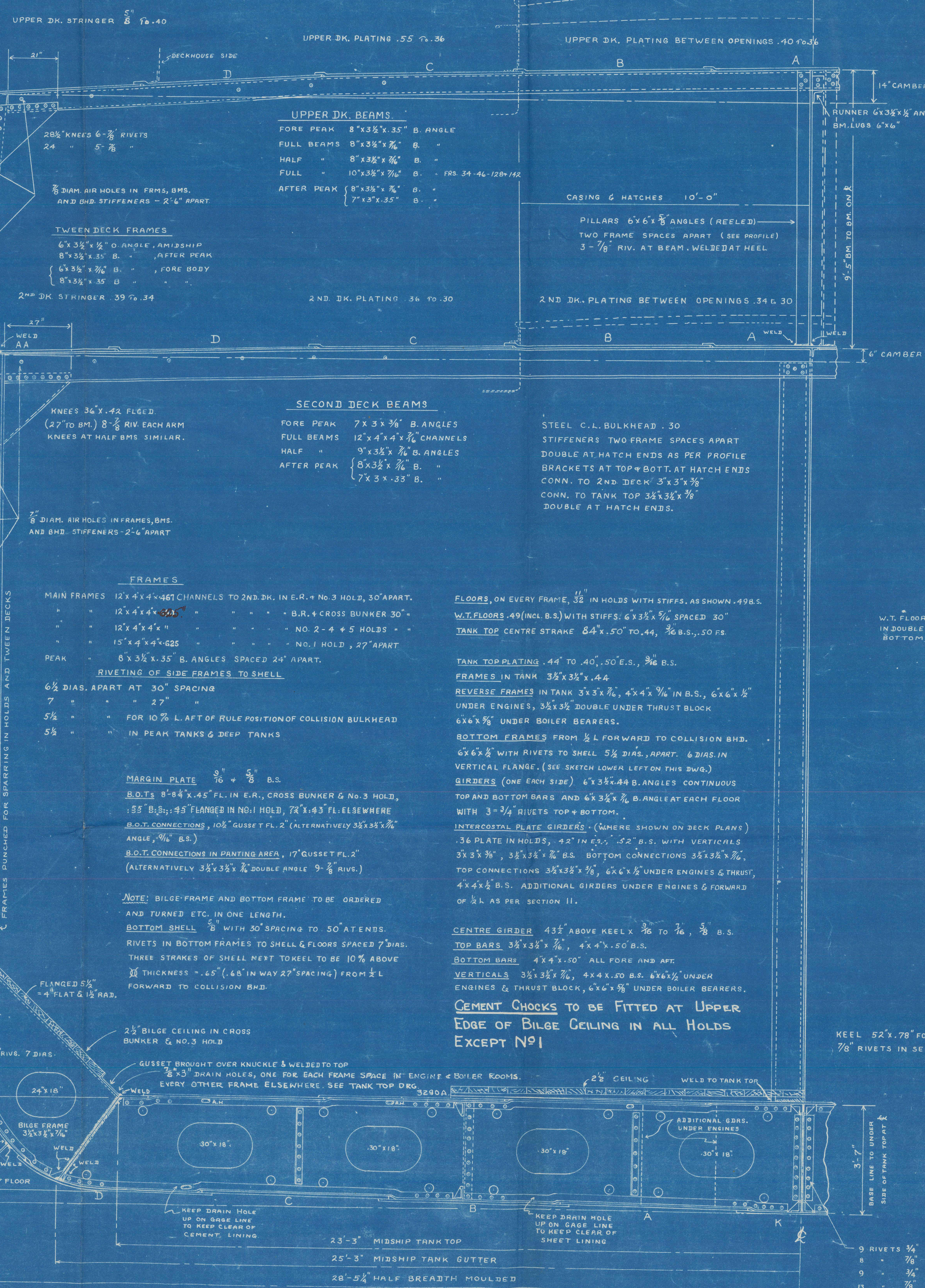
SIDE SHELL 5/8" WITH 30" SPACING TO .45" AT ENDS. SIDE SHELL 25% ABOVE END THICKNESS - .56" IN WAY OF PANTING IN LIEU OF STRINGERS FOR A DISTANCE AFT OF ROLE POSITION OF COLLISION BHD. EQUAL TO 10% L. OF VESSEL. SIDE SHELL 25% ABOVE END THICKNESS - .56" IN WAY OF FORE PEAK TANK IN LIEU OF STRINGER CONNECTIONS TO SHELL. BOSS PLATING .70" OUTER PLATE INCREASED 25% ABOVE RULE.



DETAIL OF BILGE BRACKETS AFT OF FRAME 66 & FWD OF FRAME 106 (EXCEPT NO. 1 HOLD)



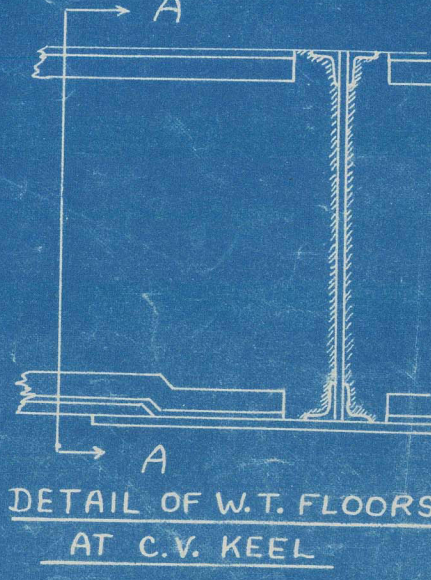
DETAIL OF DRAIN HOLES (SCALE 3" = 1'-0")



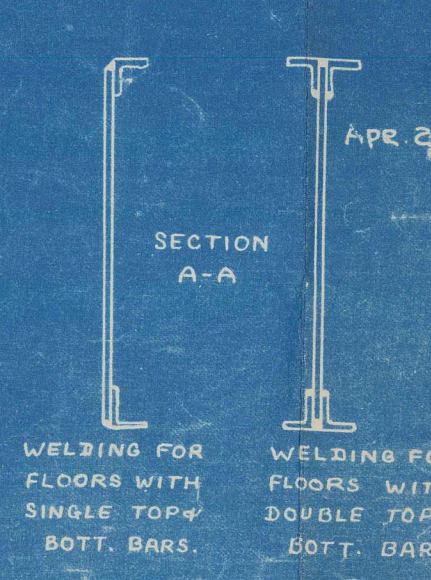
CLASS:- 100 A.I. LLOYDS, WITH FREEBOARD CORRESPONDING TO A DRAFT 18" MORE THAN THAT OF A C.S.S. VESSEL

EQUIPMENT NUMERAL	
L(B+D)	39189
MIDSHIP DECKHOUSE 30'25'x7'5'x50	113
CASINGS 20.5'x7.5'x50	77
" 59.25'x10.5'x50	314
AFTER DECKHOUSE 26'x7.5'x50	105
	39,798

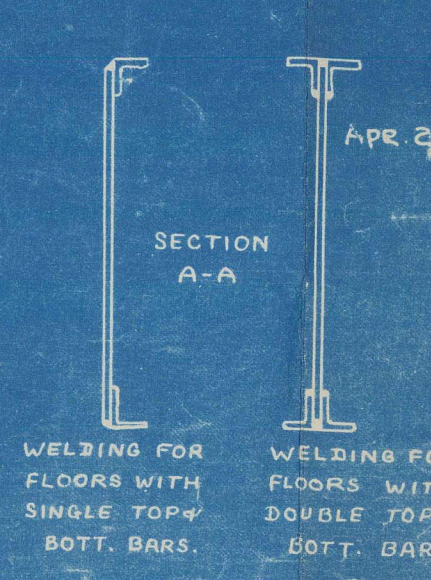
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BURRARD DRY DOCK CO. LTD.  
MARINE DEPARTMENT  
VANCOUVER, B.C.



DETAIL OF W.T. FLOORS AT C.V. KEEL



DETAIL OF W.T. FLOORS WITH SINGLE TOP & BOTTOM BARS



DETAIL OF W.T. FLOORS WITH DOUBLE TOP & BOTTOM BARS